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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/706,418	11/11/2003	John Joseph Rabasco	06426 USA	6797
23543	7590 10/19/2006	6 EXAMINER		INER
	DUCTS AND CHEMIC	SALVATORE, LYNDA		
PATENT DEPARTMENT 7201 HAMILTON BOULEVARD ALLENTOWN, PA 181951501			ART UNIT	PAPER NUMBER
			1771	
			DATE MAILED: 10/19/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/706,418	RABASCO ET AL.				
Office Action Summary	Examiner	Art Unit				
	Lynda M. Salvatore	1771				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 04 Au	ugust 2006.					
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· ·						
Disposition of Claims						
4) ⊠ Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-18 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/o	wn from consideration.	•				
Application Papers						
9)☐ The specification is objected to by the Examine	er.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat * See the attached detailed Office action for a list	s have been received. s have been received in Applicativity documents have been received in CPCT Rule 17.2(a)).	tion No red in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal	Date				
Paper No(s)/Mail Date	6)					

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DETAILED ACTION

Response to Arguments

1. Applicant's remarks and declaration filed 8/4/06 have been fully considered and entered. Applicant's remarks and evidence are found persuasive to overcome the obviousness rejections set forth in section 4 of the last Office Action. Specifically, the secondary reference of Kohlhammer et al., US 6,559,259 fails to teach the claimed ethylene-vinyl acetate polymer comprised of crystalline ethylene segments. As such, the rejection of claims 1-18 rejected under 35 U.S.C. 103(a) as being unpatentable over Hoopengardner, US 4,990,399 in view of Kohlhammer et al., US 6,559,259 is hereby withdrawn. However, upon further consideration the following new ground of rejection is set forth herein below.

Claim Rejections - 35 USC § 103

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hoopengardner, US 4,990,399 in view of Kohlhammer et al., US 6,559,259 and further in view of JP 07195637A.

The patent issued to Hoopengardner teaches a carpet cushion comprising a compressible foam layer coated with a layer of pressure sensitive adhesive (abstract, figure 1 and column 4, 14-37). Hoopenengardner does not teach a specific adhesive composition, however, the patent issued to Kohlhammer et al., teach a water soluble adhesive suitable for textiles, non-wovens and the production of compression moulding compositions and shaped articles (column 9, 58-65). Kohlhammer et al., disclose cross-linkable protective colloids and processes for the

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polymerization of ethylenicially unsaturated monomers using such protective colloids. The stabilization of polymer dispersion with protective colloids and surfactant is known in the art (Column 1, lines 11-17). The aqueous polymer dispersions are prepared by the process of aqueous emulsion polymerization and can be carried out under increased pressure (Column 6, lines 22-30 and 48-50). With regard to the surfactant limitations, Kohlhammer et al., teach employing nonionic and anionic fatty alcohols (e.g., surfactant) (column 6, 55-60). Polymer dispersions of 50 to 95% by weight of vinyl acetate and 5 to 50% of ethylene and 50-75% by weight of vinyl acetate, 1 to 30% by weight of acrylic acid ester, and 5 to 40% by weight of ethylene are especially preferred (Column 7, lines 62-67 and Column 8, lines 18-21). Kohlhammer et al., teach that the polymer composition exhibits high mechanical strength and high resistance to water and solvents (column 2, 15-25).

Therefore, motivated by the desire to provide a carpet with an adhesive having high mechanical strength and high resistance to water and solvents, it would have been obvious to one having ordinary skill in the art at the time the invention was made to coat the carpet taught by Hoopengardner with the adhesive taught by Kohlhammer et al.

Kohlhammer et al., does not specifically teach the claimed crystalline ethylene segments, however, the published JP abstract discloses a resin composition comprising ethylene-vinyl acetate copolymer having crystalline ethylene. Said composition exhibits high heat sealing and gas barrier properties.

Therefore, motivated by the desire to provide a carpet with an adhesive having the combination of high mechanical strength, water/solvent resistance, high heat sealing and gas barrier properties, it would have been obvious to one having ordinary skill in the art at the time

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the invention was made to formulate the adhesive composition taught by Kohlhammer et al., used to coat the carpet of Hoopengardner with the ethylene-vinyl-acetate resin composition comprised crystalline ethylene as taught in the published JP abstract.

With regard to the crystalline melting point range limitations recited, Kohlhammer et al., and the published JP abstract do not specifically teach the claimed range, however, given that the chemical composition of the ethylene vinyl acetate copolymer and the process of making such a copolymer as taught by Kohlhammer et al., and the published JP abstract are identical to the claimed invention, it is reasonable to presume that the claimed melting point range is inherent to the ethylene-vinyl-acetate composition provided by the combination of Kohlhammer et al., and the published JP abstract. Applicant is invited to evidence otherwise.

Similarly, with regard to the claimed tensile storage modulus and heat of fusion properties, the Examiner submits that the adhesive provided by the combination of Kohlhammer et al., and the published JP abstract would be expected to have the claimed properties. Support for said presumption is found in the use of ethylene-vinyl acetate emulsion comprised of crystalline ethylene and in the claimed amounts of each constituent. Applicant is invited to evidence otherwise.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lynda M. Salvatore whose telephone number is 571-272-1482. The examiner can normally be reached on M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris can be reached on 571-272-1478. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

October 16, 2006